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OM protein - protein search, using SW model

Run on: June 18, 2004, 17:28:56 ; Search time 44 Seconds

(without alignments)

731.449 Million cell updates/sec

Title: US-09-829-124-2

Perfect score: 584

Sequence: 1 MDSIGNFSIGNLQTGIG..... QGGAGMGGGGSVNSSLGENA 114

Scoring table: BLOSUM62

Gapext 0.5

Searched: 1163542 seqs, 282313646 residues

Total number of hits satisfying chosen parameters: 1163542

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Maximum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

1: /cgmn2\_6/ptodata/2/pubpaas/US07\_PUBCOMB.pep:\*

2: /cgmn2\_6/ptodata/2/pubpaas/PCT\_NEW\_PUB.pep:\*

3: /cgmn2\_6/ptodata/2/pubpaas/US06\_PUB.pep:\*

4: /cgmn2\_6/ptodata/2/pubpaas/US05\_PUBCOMB.pep:\*

5: /cgmn2\_6/ptodata/2/pubpaas/US07\_NEW\_PUB.pep:\*

6: /cgmn2\_6/ptodata/2/pubpaas/PTC05\_PUBCOMB.pep:\*

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8: /cgmn2\_6/ptodata/2/pubpaas/US09A\_PUBCOMB.pep:\*

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15: /cgmn2\_6/ptodata/2/pubpaas/US10C\_PUBCOMB.pep:\*

16: /cgmn2\_6/ptodata/2/pubpaas/US10C\_NEW\_PUB.pep:\*

17: /cgmn2\_6/ptodata/2/pubpaas/US60\_NEW\_PUB.pep:\*

18: /cgmn2\_6/ptodata/2/pubpaas/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	584	100.0	114	9	US-09-810_97-7
2	584	100.0	114	9	US-09-880_371-13
3	584	100.0	114	9	US-09-829_124-2
4	584	100.0	114	14	US-10-010_390-13
5	584	100.0	114	14	US-10-174-209-37
6	111	344	9	US-09-086-118-27	Sequence 27, Appli
7	111	19.0	344	9	US-09-835-684-11
8	111	19.0	344	9	US-09-880_371-11
9	111	19.0	344	9	US-09-879_248-15
10	111	19.0	344	9	US-09-770-693-7
11	111	19.0	344	9	US-09-766-348-7
12	111	19.0	344	14	US-10-034-158-17
13	111	19.0	344	14	US-10-010_390-11
14	111	19.0	344	14	US-10-387-806-27
15	111	19.0	344	15	US-10-441-736-15

16	111	19.0	403	9	US-09-086-118-23
17	111	19.0	403	9	US-09-835-684-3
18	111	19.0	403	9	US-09-880_371-3
19	111	19.0	403	9	US-09-879_248-3
20	111	19.0	403	9	US-09-770-693-3
21	111	19.0	403	14	US-10-034-158-3
22	111	19.0	403	14	US-10-030-390-3
23	111	19.0	403	14	US-10-141-736-3
24	111	19.0	403	14	US-10-387-806-23
25	111	19.0	403	15	US-10-441-736-3
26	94	16.1	20	9	US-09-086-118-30
27	94	16.1	20	9	US-09-879_248-18
28	94	16.1	20	9	US-09-766-348-10
29	94	16.1	20	14	US-10-034-158-10
30	94	16.1	20	14	US-10-387-806-30
31	94	16.1	20	15	US-10-441-736-18
32	93	15.9	228	13	US-10-129-180-16
33	91.5	15.7	424	9	US-09-835-684-9
34	91.5	15.7	424	9	US-09-880-371-9
35	91.5	15.7	424	9	US-09-879-248-14
36	91.5	15.7	424	14	US-10-010-390-9
37	91.5	15.7	424	15	US-10-141-736-14
38	85.5	14.6	1965	15	US-10-169-193-3279
39	85	14.5	675	12	US-10-006-060-12
40	84.5	14.5	313	12	US-10-124-539-283627
41	84	14.4	447	9	US-09-835-684-5
42	84	14.4	447	9	US-09-880-371-5
43	84	14.4	447	9	US-09-879-248-6
44	84	14.4	447	14	US-10-010-390-5
45	84	14.4	447	15	US-10-441-736-6

#### ALIGNMENTS

ABN
RESULT 1
US-09-810-997-7
;
Sequence 7, Application US/09810997
;
Patent No. US20020007501A1
;
GENERAL INFORMATION:
;
APPLICANT: Song, Xiaoling
;
APPLICANT: Fan, Hao
;
APPLICANT: Wei, Zhong-Min
;
TITLE OF INVENTION: RECEPTORS FOR HYPERSENSITIVE RESPONSE ELICITORS AND
;
TITLE OF INVENTION: USES THEREOF
;
FILE REFERENCE: 2-829/62
;
CURRENT APPLICATION NUMBER: US/09/810_997
;
CURRENT FILING DATE: 2001-03-16
;
PRIOR APPLICATION NUMBER: 60/191,649
;
PRIOR FILING DATE: 2000-03-23
;
PRIOR APPLICATION NUMBER: 60/250,710
;
NUMBER OF SEQ ID NOS: 9
;
SOFTWARE: PatentIn Ver. 2.1
;
SEQ ID NO: 7
;
LENGTH: 114
;
TYPE: PRT
;
ORGANISM: Xanthomonas campestris pv. pelargonii

US-09-810-997-7
;
Query Match
;
Best Local Similarity 100.0%; Pred. No. 1.5e-33;
;
Mismatches 0; Indels 0; Gaps 0;
;
Matches 114; Conservative 0;
;
Qy
;
1 MDSIGNFSNIGNLQTGIGPOHEDSQQSSAGSQQOLDLAMETMMLQSQSSDA 60
;
Db
;
1 MDSIGNFSNIGNLQTGIGPOHEDSQQSSAGSQQOLDLAMETMMLQSQSSDA 60
;
Qy
;
61 NOECGNTOPOQGQOBELSPLOMLQMLQMLQMLQMLQMLQMLQMLQMLQMLQ 114
;
Db
;
61 NOECGNTEPQGQOBELSPLOMLQMLQMLQMLQMLQMLQMLQMLQMLQMLQ 114

RESULT 2  
 US-09-880-371-13  
 Sequence 13, Application US/09880371  
 GENERAL INFORMATION:  
 APPLICANT: Wei, Zhong-Min  
 APPLICANT: DeLoche, Jay  
 TITLE OF INVENTION: METHODS OF IMPROVING THE EFFECTIVENESS OF TRANSGENIC  
 CURRENT APPLICATION NUMBER: US/09/880,371  
 CURRENT FILING DATE: 2001-06-13  
 PRIOR APPLICATION NUMBER: 60/211,585  
 PRIOR FILING DATE: 2000-06-15  
 NUMBER OF SEQ ID NOS: 16  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO: 13  
 LENGTH: 114  
 TYPE: PRT  
 ORGANISM: Xanthomonas campestris  
 US-09-880-371-13

Query Match 100.0% Score 584; DB 9; Length 114;  
 Best Local Similarity 100.0%; Pred. No. 1.5e-5;  
 Matches 114; Conservative 0; Indels 0; Gaps 0;

Qy 1 MD\$IGNNFSNIGNLQTMG\$PQHE\$QQSPASGE\$QDQLAMPMMI\$Q\$Q\$SDA 60  
 Db 1 MD\$IGNNFSNIGNLQTMG\$PQHE\$QQSPASGE\$QDQLAMPMMI\$Q\$Q\$SDA 60

;) This sequence is not  
 in this app.

RESULT 3  
 US-09-829-124-2  
 Sequence 2, Application US/09829124  
 GENERAL INFORMATION:  
 APPLICANT: Pan, Hao  
 APPLICANT: Wei, Zhong-Min  
 APPLICANT: Swanson, Share S.  
 TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR FROM XANTHOMAS  
 FILE REFERENCE: 21829/101  
 CURRENT APPLICATION NUMBER: US/09/829,124  
 CURRENT FILING DATE: 2001-04-09  
 PRIOR APPLICATION NUMBER: 60/224,053  
 PRIOR FILING DATE: 2000-08-09  
 PRIOR APPLICATION NUMBER: 60/112,452  
 PRIOR FILING DATE: 1999-10-04  
 PRIOR APPLICATION NUMBER: 60/103,124  
 PRIOR FILING DATE: 1998-10-05  
 NUMBER OF SEQ ID NOS: 6  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO: 2  
 LENGTH: 114  
 TYPE: PRT  
 ORGANISM: Xanthomonas campestris  
 US-09-829-124-2

Query Match 100.0% Score 584; DB 9; Length 114;  
 Best Local Similarity 100.0%; Pred. No. 1.5e-5;  
 Matches 114; Conservative 0; Indels 0; Gaps 0;

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 Db 1 MD\$IGNNFSNIGNLQTMG\$PQHE\$QQSPASGE\$QDQLAMPMMI\$Q\$Q\$SDA 60

RESULT 4  
 US-10-010-390-13  
 Sequence 13, Application US/10010390  
 GENERAL INFORMATION:  
 APPLICANT: Wei, Zhong-Min  
 APPLICANT: Leon, Ernesto  
 APPLICANT: Oviedo, Agustin  
 TITLE OF INVENTION: METHODS OF INHIBITING DESICCATION OF CUTTINGS REMOVED  
 TITLE OF INVENTION: FROM ORNAMENTAL PLANTS  
 FILE REFERENCE: 21829/111  
 CURRENT APPLICATION NUMBER: US/10/010,390  
 CURRENT FILING DATE: 2001-11-05  
 PRIOR APPLICATION NUMBER: 60/248,169  
 PRIOR FILING DATE: 2000-11-13  
 NUMBER OF SEQ ID NOS: 14  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO: 13  
 LENGTH: 114  
 TYPE: PRT  
 ORGANISM: Xanthomonas campestris  
 US-10-010-390-13

Query Match 100.0% Score 584; DB 14; Length 114;  
 Best Local Similarity 100.0%; Pred. No. 1.5e-5;  
 Matches 114; Conservative 0; Indels 0; Gaps 0;

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 Db 1 MD\$IGNNFSNIGNLQTMG\$PQHE\$QQSPASGE\$QDQLAMPMMI\$Q\$Q\$SDA 60

RESULT 5  
 US-10-174-209-37  
 Sequence 37, Application US/10174209  
 GENERAL INFORMATION:  
 APPLICANT: Song, Xiaoling  
 APPLICANT: Bariloa, Pauline A.  
 APPLICANT: Linderroth, No.  
 APPLICANT: Pan, Hao  
 APPLICANT: Wei, Zhong-Min  
 TITLE OF INVENTION: RECEIVERS FOR HYBERSENSITIVITY RESPONSE ELICITORS AND  
 FILE REFERENCE: 21829/211  
 CURRENT APPLICATION NUMBER: US/10/174,209  
 CURRENT FILING DATE: 2002-06-17  
 PRIOR APPLICATION NUMBER: 60/335,776  
 PRIOR FILING DATE: 2001-10-31  
 PRIOR APPLICATION NUMBER: 09/810,997  
 PRIOR FILING DATE: 2001-03-16  
 NUMBER OF SEQ ID NOS: 86  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO: 37  
 LENGTH: 114  
 TYPE: PRT  
 ORGANISM: Xanthomonas campestris pv. pelargonii  
 US-10-174-209-37

Query Match 100.0% Score 584; DB 14; Length 114;  
 Best Local Similarity 100.0%; Pred. No. 1.5e-5;  
 Matches 114; Conservative 0; Indels 0; Gaps 0;

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 Db 1 MD\$IGNNFSNIGNLQTMG\$PQHE\$QQSPASGE\$QDQLAMPMMI\$Q\$Q\$SDA 60





US-10-034-158-7

Query Match 19.0%; Score 111; DB 14; Length 344;  
 Best Local Similarity 25.8%; Pred. No. 0.0021; Mismatches 54; Indels 44; Gaps 5;  
 Matches 40; Conservative 17; Software: PatentIn Ver. 2.1

Qy 3 SIGNNNNNNNQTM----GIGPQHENSQQSPSAGSE-  
 Db 58 SAGGNTNTGAPAKDNANAGANDPSKNDPSKSQAPQSANTKTGNYDDANNQDPQALMQ 42

Qy 43 LLAMFIMM----LQSQGSDANQECG--NEQPQNGQQBQELSPLTQMLQIYVQLMQN-  
 Db 118 LILEDVKKLKAALHMQPGGNDKGNGYGGGCAKGGGCGLAAEALQEIYQILAQGGGG 177  
 Qy 95 -----QGAGAGGGGGSVNSLGGN 113  
 Db 178 AGAGGGGGVGGAGGADGGSGAGGGAGGADGGN 212

RESULT 13  
 US-10-010-390-11  
 Sequence 11, Application US/10010390  
 Publication No. US20030104975A1  
 GENERAL INFORMATION:  
 APPLICANT: Wei, Zhong-Min  
 APPLICANT: Leon, Ernesto  
 APPLICANT: Oviedo, Agustin  
 TITLE OF INVENTION: METHODS OF INHIBITING DESTICCATION OF CUTTINGS REMOVED  
 FILE REFERENCE: 211829/111  
 CURRENT APPLICATION NUMBER: US/10/010,390  
 CURRENT FILING DATE: 2003-11-05  
 PRIOR APPLICATION NUMBER: 60/248,169  
 PRIOR FILING DATE: 2000-11-13  
 NUMBER OF SEQ ID NOS: 14  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO 11  
 LENGTH: 344  
 TYPE: PRT  
 ORGANISM: Ralstonia solanacearum  
 US-10-010-390-11

Query Match 19.0%; Score 111; DB 14; Length 344;  
 Best Local Similarity 25.8%; Pred. No. 0.0021; Mismatches 54; Indels 44; Gaps 5;  
 Matches 40; Conservative 17; Software: PatentIn Ver. 2.1

Qy 3 SIGNNNNNNNQTM----GIGPQHENSQQSPSAGSE-  
 Db 58 SAGGNTNTGAPAKDNANAGANDPSKNDPSKSQAPQSANTKTGNYDDANNQDPQALMQ 42

Qy 43 LLAMFIMM----LQSQGSDANQECG--NEQPQNGQQBQELSPLTQMLQIYVQLMQN-  
 Db 118 LILEDVKKLKAALHMQPGGNDKGNGYGGGCAKGGGCGLAAEALQEIYQILAQGGGG 177  
 Qy 95 -----QGAGAGGGGGSVNSLGGN 113  
 Db 178 AGAGGGGGVGGAGGADGGSGAGGGAGGADGGN 212

RESULT 15  
 US-10-441-736-15  
 Sequence 15, Application US/10441736  
 Publication No. US20040016029A1  
 GENERAL INFORMATION:  
 APPLICANT: Wei, Zhong-Min  
 APPLICANT: Schalting, Richard L.  
 TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR-INDUCED STRESS  
 TITLE OF INVENTION: RESISTANCE  
 FILE REFERENCE: 211829/203 (REC-003)  
 CURRENT APPLICATION NUMBER: US/10/441,736  
 CURRENT FILING DATE: 2003-05-20  
 PRIOR APPLICATION NUMBER: 60/107,243  
 PRIOR FILING DATE: 1998-11-05  
 SEQ ID NO 15  
 LENGTH: 344  
 TYPE: PRT  
 ORGANISM: Ralstonia solanacearum  
 US-10-441-736-15

Query Match 19.0%; Score 111; DB 14; Length 344;  
 Best Local Similarity 25.8%; Pred. No. 0.0021; Mismatches 54; Indels 44; Gaps 5;  
 Matches 40; Conservative 17; Software: PatentIn Ver. 2.1

Qy 3 SIGNNNNNNNQTM----GIGPQHENSQQSPSAGSE-  
 Db 58 SAGGNTNTGAPAKDNANAGANDPSKNDPSKSQAPQSANTKTGNYDDANNQDPQALMQ 42

Qy 43 LLAMFIMM----LQSQGSDANQECG--NEQPQNGQQBQELSPLTQMLQIYVQLMQN-  
 Db 118 LILEDVKKLKAALHMQPGGNDKGNGYGGGCAKGGGCGLAAEALQEIYQILAQGGGG 177  
 Qy 95 -----QGAGAGGGGGSVNSLGGN 113  
 Db 178 AGAGGGGGVGGAGGADGGSGAGGGAGGADGGN 212

RESULT 14  
 US-10-387-806-27  
 Sequence 27, Application US/10387806  
 Publication No. US20030182683A1  
 GENERAL INFORMATION:  
 APPLICANT: Laby, Ron J.  
 APPLICANT: Wei, Zhong-Min  
 APPLICANT: Beer, Steven V.  
 TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR FRAGMENTS ELICITING A  
 FILE REFERENCE: 19603/5187  
 CURRENT APPLICATION NUMBER: US/10/387,806  
 CURRENT FILING DATE: 2003-03-12  
 PRIOR APPLICATION NUMBER: 60/048,109

Search completed: June 18, 2004, 17:35:13  
 Job time : 46 secs

result	No.	Score	Query	Match	Length	DB	ID	Description
1	342	100.0	US-09-B10-997-8	US-09-B10-997-8	342	9	Sequence 8, Appli	Sequence 8, Appli
2	342	100.0	US-09-B10-997-8	US-09-B10-997-8	342	9	Sequence 14, Appli	Sequence 14, Appli
3	342	100.0	US-09-B10-997-8	US-09-B10-997-8	342	9	Sequence 15, Appli	Sequence 15, Appli
4	342	100.0	US-09-B10-997-8	US-09-B10-997-8	342	9	Sequence 1, Appli	Sequence 1, Appli
5	342	100.0	US-09-B10-997-8	US-09-B10-997-8	342	15	Sequence 14, Appli	Sequence 14, Appli
6	342	100.0	US-09-B10-997-8	US-09-B10-997-8	342	15	Sequence 38, Appli	Sequence 38, Appli
7	342	100.0	US-09-B10-997-8	US-09-B10-997-8	342	15	Sequence 6, Appli	Sequence 6, Appli
8	43.2	112.6	US-10-369-433-404658	US-10-369-433-404658	816	16	Sequence 40458, A	Sequence 40458, A
9	40.2	111.8	US-10-369-433-404658	US-10-369-433-404658	1053	16	Sequence 35590, A	Sequence 35590, A
10	39.6	111.6	US-10-425-114-35550	US-10-425-114-35550	2109	13	Sequence 4340, A	Sequence 4340, A
11	39	111.4	US-10-260-238-43440	US-10-260-238-43440	1206	16	Sequence 6, Appli	Sequence 6, Appli
12	38	111.1	US-10-966-034-6	US-10-966-034-6	3121	10	Sequence 65, Appli	Sequence 65, Appli
13	38	111.1	US-10-211-898-65	US-10-211-898-65	3121	13	US-10-211-898-65	US-10-211-898-65

Qy 121 GATCAGTTGCGCATGTCATCATGATGATGCTGCAAAGAGGCGAGCATGCA 180  
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
 Db 121 GATCAGTTGCGCATGTCATCATGATGATGCTGCAAAGAGGCGAGCATGCA 180  
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
 Qy 181 AATCAGAGTTGGCAACGAGAACCCAGAACGTCAAAGGCTGAGCTGCTG 240  
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
 Db 181 AATCAGAGTTGGCAACGAGAACCCAGAACGTCAAAGGCTGAGCTGCTG 240  
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 Qy 241 AGCGAGATGCGATGAGATCTGTGAGTGTGATCAAGAACCAAGGGCGCATG 300  
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
 Db 241 AGCGAGATGCGATGAGATCTGTGAGTGTGATCAAGAACCAAGGGCGCATG 300  
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 Qy 301 GCGGTTGGTTGGTCAACAGCAGGCTGGGGAAAGGCC 342  
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 Db 301 GCGGTTGGTTGGTCAACAGCAGGCTGGGGAAAGGCC 342  
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## RESULT 2

US-09-880-371-14

; Sequence 14, Application US/09880371

; Patent No. US20020059658A1

; GENERAL INFORMATION:

; APPLICANT: Wei, Zhong-Min

; DEBORHER, Jay

; TITLE OF INVENTION: METHODS OF IMPROVING THE EFFECTIVENESS OF TRANSGENIC

; FILE REFERENCE: 21829/91

; CURRENT APPLICATION NUMBER: US/09/880,371

; CURRENT FILING DATE: 2001-06-13

; PRIOR APPLICATION NUMBER: 60/211,585

; PRIOR FILING DATE: 2000-06-15

; NUMBER OF SEQ ID NOS: 16

; SOFTWARE: Patentin Ver. 2.1

; SEQ ID NO: 15

; LENGTH: 342

; TYPE: DNA

; ORGANISM: Nicotiana tabacum

US-09-880-371-14

; Query Match 100.0%; Score 342; DB 9; Length 342;

; Best Local Similarity 100.0%; Pred. No. 6.9e-94; Matches 342; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

; Query 1 ATGAGCTCATGAAACACTTCTGATATCGCAACTGCGATGGCATCGCG 60  
 ; Database 1 ATGAGCTCATGAAACACTTCTGATATCGCAACTGCGATGGCATCGCG 60; Query 61 CCTCAGCAACAGGAGCTCCAGCGAGCTCCAGCTCCAGCGAGCTCGCTG 120  
 ; Database 61 CCTCAGCAACAGGAGCTCCAGCGAGCTCCAGCTCCAGCGAGCTCGCTG 120; Query 121 GATCAGTTGCTGGCATGTTCATGATGATGATGCTGCAAGAGCCAGGCGATGCA 180  
 ; Database 121 GATCAGTTGCTGGCATGTTCATGATGATGATGCTGCAAGAGCCAGGCGATGCA 180; Query 181 AATCAGGAGTGTGCAACGAAACCCGAAACGTTAACAGGAGGACTGAGTCGTTG 240  
 ; Database 181 AATCAGGAGTGTGCAACGAAACCCGAAACGTTAACAGGAGGACTGAGTCGTTG 240; Query 241 ACGCAGATGCTGATGCAATGCTGATGCGATGCTGATGCGATGCGATG 300  
 ; Database 241 ACGCAGATGCTGATGCAATGCTGATGCGATGCTGATGCGATGCGATG 300; Query 301 GGCCTGGCTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 300  
 ; Database 301 GGCCTGGCTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 300

; RESULT 4

US-09-829-124-1

; Sequence 1, Application US/09829124

; Patent No. US2002006122A1

; GENERAL INFORMATION:

; APPLICANT: Wei, Zhong-Min

; DEBORHER, Jay

; TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR FROM XANTHOMAS

; FILE REFERENCE: 21829/101

; CURRENT APPLICATION NUMBER: US/09/829,124

; PRIOR APPLICATION NUMBER: 60/224,053

; PRIOR FILING DATE: 2000-08-09

; PRIOR APPLICATION NUMBER: 09/412,452

; PRIOR FILING DATE: 1999-10-04

; PRIOR APPLICATION NUMBER: 60/103,124

; PRIOR FILING DATE: 1998-10-05

; SOFTWARE: Patentin Ver. 2.1

; SEQ ID NO: 1

; LENGTH: 342

; TYPE: DNA

; ORGANISM: Xanthomonas campesiris

US-09-829-124-1

; Sequence 15, Application US/09880371

; Patent No. US20020059658A1

; GENERAL INFORMATION:

Query Match Score 342; DB 9; Length 342;  
 Best Local Similarity 100.0%; Pred. No. 6.9e-94;  
 Matches 342; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 ATGGACTCTATCGGAAACACTTTCGAAATTCGCAACCTGCAAGCTGGCTCG 60  
 1 ATGGACTCTATGGAAACATTTCGAAATTCGCAACCTGCAAGCTGGCTCG 60

b b

1 CCTCGAGAACAGGAACTTCAGCCAGCACTGCGCTTCGAGGAGCTG 120  
 61 CCTCGAGAACAGGAACTTCAGCCAGCACTGCGCTTCGAGGAGCTG 120

b b

61 GATCAGTTGCTGCCATGTCATGATGATGCTGCAAGAGCAGGCCAGCATGA 180  
 121 GATCAGTTGCTGCCATGTCATGATGATGCTGCAAGAGCAGGCCAGCATGA 180

b b

121 GATCAGTTGCTGCCATGTCATGATGATGCTGCAAGAGCAGGCCAGCATGA 180

b b

181 AATCAGGAGTGTGGAAACGGACAAACGGACAAACGGACAAACGGACAA 240  
 181 AATCAGGAGTGTGGAAACGGACAAACGGACAAACGGACAAACGGACAA 240

b b

181 AATCAGGAGTGTGGAAACGGACAAACGGACAAACGGACAAACGGACAA 240

b b

241 ACGGAGATGCTGATGCGAGATGCTGATGCGAGCTGATGCGAGCTGATG 300  
 241 ACGGAGATGCTGATGCGAGATGCTGATGCGAGCTGATGCGAGCTGATG 300

b b

241 ACGGAGATGCTGATGCGAGATGCTGATGCGAGCTGATGCGAGCTGATG 300

b b

301 GGCCTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 342  
 301 GGCCTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 342

b b

301 GGCCTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 342

RESULT 5  
 S-10-010-390-14  
 Sequence 14, Application US/1001-0390  
 Publication No. US20030104979A1  
 GENERAL INFORMATION:  
 APPLICANT: Wei, Zhong Min  
 APPLICANT: Cvielo, Justin  
 APPLICANT: Leon, Ernesto  
 TITLE OF INVENTION: METHODS OF INHIBITING DESICCATION OF CUTTINGS REMOVED  
 CURRENT APPLICATION NUMBER: US/10/010,390  
 CURRENT FILING DATE: 2001-11-05  
 PRIOR FILING DATE: 2000-11-13  
 NUMBER OF SEQ ID NOS: 14  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO: 14  
 LENGTH: 342  
 TYPE: DNA  
 ORGANISM: Xanthomonas campestris

Query Match Score 342; DB 15; Length 342;  
 Best Local Similarity 100.0%; Pred. No. 6.9e-94;  
 Matches 342; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 ATGGACTCTATCGGAAACACTTTCGAAATTCGCAACCTGCAAGCTGGCTCG 60  
 1 ATGGACTCTATCGGAAACACTTTCGAAATTCGCAACCTGCAAGCTGGCTCG 60

b b

61 CCTCGAGAACAGGAACTTCAGCCAGCACTGCGCTTCGAGGAGCTG 120  
 61 CCTCGAGAACAGGAACTTCAGCCAGCACTGCGCTTCGAGGAGCTG 120

b b

121 GATCAGTTGCTGCCATGTCATGATGATGCTGCAAGAGCAGGCCAGCATGA 180  
 121 GATCAGTTGCTGCCATGTCATGATGATGCTGCAAGAGCAGGCCAGCATGA 180

b b

181 AATCAGGAGTGTGGCAACGGACAAACGGACAAACGGACAAACGGACAA 240  
 181 AATCAGGAGTGTGGCAACGGACAAACGGACAAACGGACAAACGGACAA 240

b b

241 ACGGAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 300  
 241 ACGGAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 300

b b

301 GGCCTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 342  
 301 GGCCTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 342

RESULT 7  
 US-09-829-124-6  
 Sequence 6, Application US/09829124  
 Patent No. US200301066122A1  
 GENERAL INFORMATION:  
 APPLICANT: Wei, Zhong-Min  
 APPLICANT: Swanson, Shane S.  
 APPLICANT: Fan, Hao  
 TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR FROM XANTHOMAS

Page 4

TITLE OF INVENTION: CAMPESTRIS  
 FILE REFERENCE: 21829/101  
 CURRENT APPLICATION NUMBER: US/09/829, 124  
 PRIORITY FILING DATE: 2001-04-09  
 PRIORITY APPLICATION NUMBER: 60/224, 053  
 PRIORITY FILING DATE: 2000-08-09  
 PRIORITY APPLICATION NUMBER: 09/412, 452  
 PRIORITY FILING DATE: 1999-10-04  
 PRIORITY APPLICATION NUMBER: 60/103, 124  
 PRIORITY FILING DATE: 1998-10-05  
 PRIORITY APPLICATION NUMBER: 60/103, 124  
 SOFTWARE: Patentin Ver. 2.1  
 SEQ ID NO: 6  
 LENGTH: 408  
 TYPE: DNA  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: probe  
 US-09-829-124-6

Query Match 12.6%; Score 43.2; DB 16; Length 816;  
 Best Local Similarity 56.2%; Pred. No. 0.0059;  
 Matches 81; Conservative 0; Mismatches 63; Indels 0; Gaps 0;  
 Qy 198 CGAACAAACGCCAACCGCAACGGTCAACGGGAGGCGCTGAGTCGAGATGCTGATGCA 257  
 Db 423 CGATCTGACCAAGATTCGACGGGTGACCCGGTGAACGGCGTACGCCGGTGCACCA 482

Query Match 12.6%; Score 43.2; DB 16; Length 816;  
 Best Local Similarity 56.2%; Pred. No. 0.0059;  
 Matches 81; Conservative 0; Mismatches 63; Indels 0; Gaps 0;  
 Qy 198 CGAACAAACGCCAACCGCAACGGTCAACGGGAGGCGCTGAGTCGAGATGCTGATGCA 257  
 Db 423 CGATCTGACCAAGATTCGACGGGTGACCCGGTGAACGGCGTACGCCGGTGCACCA 482

Query Match 12.6%; Score 43.2; DB 16; Length 816;  
 Best Local Similarity 56.2%; Pred. No. 0.0059;  
 Matches 81; Conservative 0; Mismatches 63; Indels 0; Gaps 0;  
 Qy 198 CGAACAAACGCCAACCGCAACGGTCAACGGGAGGCGCTGAGTCGAGATGCTGATGCA 257  
 Db 423 CGATCTGACCAAGATTCGACGGGTGACCCGGTGAACGGCGTACGCCGGTGCACCA 482

RESULT 9  
 US-10-369-493-40458  
 Sequence 40458, Application US/10369493  
 Publication No. US20030233675A1  
 GENERAL INFORMATION:  
 APPLICANT: Cao, Yongwei  
 INVENTOR: Hinkle, Gregory J.  
 ATTORNEY: Slater, Steven C.  
 APPLICANT: Goldman, Barry S.  
 APPLICANT: Chen, Xiantang  
 TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR IMPROVED PROPERTIES  
 FILE REFERENCE: 38-10(52052)B  
 CURRENT APPLICATION NUMBER: US/10/369, 493  
 CURRENT FILING DATE: 2003-02-28  
 PRIOR APPLICATION NUMBER: US 60/360, 039  
 PRIOR FILING DATE: 2002-02-21  
 NUMBER OF SEQ ID NOS: 47374  
 SEQ ID NO 40458

TYPE: DNA  
 ORGANISM: Caulobacter crescentus

Query Match 11.8%; Score 40.2; DB 16; Length 1053;  
 Best Local Similarity 48.9%; Pred. No. 0.052;  
 Matches 108; Conservative 113; Indels 0; Gaps 0;  
 Qy 44 AGACGATGGCATGGGGCTCAGCCAGGAACTCCGGCTTGGCTCCGCCAGGAACTCCGGCTTGGCTG 103  
 Db 275 AGGGATGGACCTGTTGCGCACTTCGAGCCGCTGAGGGCTGAGGGCTGAGGGCTGAGGGCG 334

Query Match 11.8%; Score 40.2; DB 16; Length 1053;  
 Best Local Similarity 48.9%; Pred. No. 0.052;  
 Matches 108; Conservative 113; Indels 0; Gaps 0;  
 Qy 44 AGACGATGGCATGGGGCTCAGCCAGGAACTCCGGCTTGGCTCCGCCAGGAACTCCGGCTTGGCTG 103  
 Db 275 AGGGATGGACCTGTTGCGCACTTCGAGCCGCTGAGGGCTGAGGGCTGAGGGCTGAGGGCG 334

RESULT 8  
 US-10-369-493-21605  
 Sequence 31605, Application US/10369493  
 Publication No. US20030233675A1  
 GENERAL INFORMATION:  
 APPLICANT: Cao, Yongwei  
 INVENTOR: Hinkle, Gregory J.  
 ATTORNEY: Slater, Steven C.  
 APPLICANT: Goldman, Barry S.  
 APPLICANT: Chen, Xiantang  
 TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR IMPROVED PROPERTIES  
 FILE REFERENCE: 38-10(52052)B  
 CURRENT APPLICATION NUMBER: US/10/369, 493  
 CURRENT FILING DATE: 2003-02-28  
 PRIOR APPLICATION NUMBER: US 60/360, 039  
 PRIOR FILING DATE: 2002-02-21  
 NUMBER OF SEQ ID NOS: 47374  
 SEQ ID NO 31605  
 LENGTH: 816  
 TYPE: DNA  
 ORGANISM: Rhodobacter sphaeroides

RESULT 10  
 US-10-425-114-35590  
 Sequence 35590, Application US/10425114  
 Publication No. US2004004888A1  
 GENERAL INFORMATION:  
 APPLICANT: Liu, Jingdong  
 INVENTOR: Zhou, Fihua  
 ATTORNEY: Kovalic, David K.  
 APPLICANT: Screen, Steven E.  
 APPLICANT: Tabaska, Jack B.  
 APPLICANT: Cao, Yongwei

OTHER INFORMATION: n = any nucleotide

Db 2100 CAGCTGACCCGGCAGGAGGAGACATCGAGCAGACATCGAGCTGCTGCCACAGT 2159  
 Qy 289 GCGCGCGGCTGCGGCTGCGGTGCGTAAACGAGCGCTG 330  
 Db 2160 CGAGACCACTCGGTGAAACGTTAGCAGACAGGGCCAG 2201

RESULT 13

Sequence 65 Application US/10211858

Publication No. US20030211096A1

GENERAL INFORMATION:

Applicant: Ishkenzi, Avi J.

Applicant: Goddard, Audrey

Applicant: Godowski, Paul J.

Applicant: Gurney, Austin L.

Applicant: Hillan, Kenneth J.

Applicant: Marsters, Scot A.

Applicant: Pan, James

Applicant: Pitti, Robert M.

Applicant: Roy, Margaret Ann

Applicant: Smith, Victoria

Applicant: Stone, Donna M.

Applicant: Watanabe, Colin K.

Applicant: Wood, William I.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF TUMOR

FILE REFERENCE: P2930R1C1

CURRENT APPLICATION NUMBER: US/10/211,858

CURRENT FILING DATE: 2002-08-02

PRIOR APPLICATION NUMBER: 60/014699

PRIOR FILING DATE: 1996-04-01

PRIOR APPLICATION NUMBER: 60/026943

PRIOR FILING DATE: 1996-09-23

PRIOR APPLICATION NUMBER: 60/059121

PRIOR FILING DATE: 1997-07-17

PRIOR APPLICATION NUMBER: 60/059352

PRIOR FILING DATE: 1997-09-19

PRIOR APPLICATION NUMBER: 60/062037

PRIOR FILING DATE: 1997-09-23

PRIOR APPLICATION NUMBER: 60/063755

PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/063045

PRIOR FILING DATE: 1997-10-14

PRIOR APPLICATION NUMBER: 60/063046

PRIOR FILING DATE: 1997-10-24

PRIOR APPLICATION NUMBER: 60/066511

PRIOR FILING DATE: 1997-11-24

PRIOR APPLICATION NUMBER: 60/066772

PRIOR FILING DATE: 1997-11-24

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 258

SEQ ID NO 65

LENGTH: 3121

TYPE: DNA

ORGANISM: Homo sapiens

US-10-211,858

Query Match 11.1%; Score 38; DB 13; Length 3121;

Best Local Similarity 46.2%; Pred. No. 0.34; Indels 0; Gaps 0;

Matches 107; Conservative 0; Mismatches 115; Gaps 0;

Qy 109 GAGCAGCAGCTGGATCACTGTTCTCGCATCTATGATGATGATCTGCGACAGAGCCAG 169

Db 1980 GAGGAGGAGGACAGGAGCAGATTCGCTTCCTGGRACTGAGATGGAGAGCAG 2039

Qy 169 GGCAGGGATGGAATTAAGGGTGTGCGCAAGAACACCGGAAACGGTCAAGAAAGGC 228

Db 2040 CAGAGCTCTGGCTACTGGCTGAGGTGGCGCTGGAGTGGACCCG 2099

Qy 229 CTGAGTCGTGACGAGATGCGATGCTGAGATGCTGAGATGGCTGACAGGGC 288

Db 2100 CAGCTGACCCGGCAGGAGGAGACATCGAGCAGACATCGAGCTGCACTGGAGAGCT 2159

Query Match 11.1%; Score 38; DB 13; Length 3121;

Best Local Similarity 46.2%; Pred. No. 0.34; Indels 0; Gaps 0;

Matches 107; Conservative 0; Mismatches 115; Gaps 0;

Qy 109 GAGCAGCAGCTGGATCACTGTTCTCGCATCTATGATGATGATCTGCGACAGAGCCAG 169

Db 1980 GAGGAGGAGGACAGGAGCAGATTCGCTTCCTGGRACTGAGATGGAGAGCAG 2039

Qy 169 GGCAGGGATGGAATTAAGGGTGTGCGCAAGAACACCGGAAACGGTCAAGAAAGGC 228

Db 2040 CAGAGCTCTGGCTACTGGCTGAGGTGGCGCTGGAGTGGACCCG 2099

Qy 229 CTGAGTCGTGACGAGATGCGATGCTGAGATGCTGAGATGGCTGACAGGGC 288

Db 2100 CAGCTGACCCGGCAGGAGGAGACATCGAGCAGACATCGAGCTGCACTGGAGAGCT 2159

Query Match 11.1%; Score 38; DB 13; Length 3121;

Best Local Similarity 46.2%; Pred. No. 0.34; Indels 0; Gaps 0;

Matches 107; Conservative 0; Mismatches 115; Gaps 0;

Qy 109 GAGCAGCAGCTGGATCACTGTTCTCGCATCTATGATGATGATCTGCGACAGAGCCAG 169

Db 1980 GAGGAGGAGGACAGGAGCAGATTCGCTTCCTGGRACTGAGATGGAGAGCAG 2039

Qy 169 GGCAGGGATGGAATTAAGGGTGTGCGCAAGAACACCGGAAACGGTCAAGAAAGGC 228

Db 2040 CAGAGCTCTGGCTACTGGCTGAGGTGGCGCTGGAGTGGACCCG 2099

Qy 229 CTGAGTCGTGACGAGATGCGATGCTGAGATGCTGAGATGGCTGACAGGGC 288

Db 2100 CAGCTGACCCGGCAGGAGGAGACATCGAGCAGACATCGAGCTGCACTGGAGAGCT 2159

RESULT 14

US-10-033-246-6

Sequence 6, Application US/10033246

Publication No. US2000098505A1

GENERAL INFORMATION:

Applicant: Botstein, David

Applicant: Desnoyers, Luc

Applicant: Ferrara, Napoleone

Applicant: Fong, Sherman

Applicant: Gao, Kai-Qiang

Applicant: Goddard, Audrey

Applicant: Gurney, Austin L.

Applicant: James, Pan

Applicant: Margaret Ann Roy

Applicant: Stewart, Timothy A.

Applicant: Tumas, Daniel

Applicant: Watanabe, Colin K.

Applicant: Wood, William I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

Acids Encoding the Same

FILE REFERENCE: P2930R1C12

CURRENT APPLICATION NUMBER: US/10/033,246

CURRENT FILING DATE: 2001-12-28

PRIOR APPLICATION NUMBER: 60/095,325

PRIOR FILING DATE: 1998-08-04

PRIOR APPLICATION NUMBER: 60/112,851

PRIOR FILING DATE: 1998-12-16

PRIOR APPLICATION NUMBER: 60/113,145

PRIOR FILING DATE: 1998-12-16

PRIOR APPLICATION NUMBER: 60/113,511

PRIOR FILING DATE: 1998-12-22

PRIOR APPLICATION NUMBER: 60/115,558

PRIOR FILING DATE: 1999-01-12

PRIOR APPLICATION NUMBER: 60/115,565

PRIOR FILING DATE: 1999-01-12

PRIOR APPLICATION NUMBER: 60/115,733

PRIOR FILING DATE: 1999-01-12

PRIOR APPLICATION NUMBER: 60/119,341

PRIOR FILING DATE: 1999-02-09

PRIOR APPLICATION NUMBER: 60/119,537

PRIOR FILING DATE: 1999-02-10

PRIOR APPLICATION NUMBER: 60/119,965

PRIOR FILING DATE: 1999-02-12

PRIOR APPLICATION NUMBER: 60/162,506

PRIOR FILING DATE: 1999-10-29

PRIOR APPLICATION NUMBER: 60/170,262

PRIOR FILING DATE: 1999-12-09

PRIOR APPLICATION NUMBER: 60/187,202

PRIOR FILING DATE: 2000-03-03

PRIOR APPLICATION NUMBER: PCT/US99/12525

PRIOR FILING DATE: 1999-06-02

PRIOR APPLICATION NUMBER: PCT/US99/28634

PRIOR FILING DATE: 1999-12-01

PRIOR APPLICATION NUMBER: PCT/US99/28551

PRIOR FILING DATE: 1999-12-02

PRIOR APPLICATION NUMBER: PCT/US00/03565

PRIOR FILING DATE: 2000-02-11

PRIOR APPLICATION NUMBER: PCT/US00/04414

PRIOR FILING DATE: 2000-02-22

PRIOR APPLICATION NUMBER: PCT/US00/05841

PRIOR FILING DATE: 2000-03-02

PRIOR APPLICATION NUMBER: PCT/US00/08439

PRIOR FILING DATE: 2000-03-30

PRIOR APPLICATION NUMBER: PCT/US00/14941

PRIOR FILING DATE: 2000-06-30

PRIOR APPLICATION NUMBER: PCT/US00/15264

PRIOR APPLICATION NUMBER: PCT/US00/32678

PRIOR FILING DATE: 2000-12-01  
 NUMBER OF SEQ ID NOS: 38  
 SEQ ID NO 6  
 LENGTH: 3121  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 US-10-033-246-6

Query Match 11.1%; Score 38; DB 14; Length 3121;  
 Best Local Similarity 48.2%; Pred. No. 0.34; Gaps 0;  
 Matches 107; Conservative 0; Mismatches 115; Indels 0;

Qy 109 GAGCAGAGCGGATGATGGTGTGCGATGTCATGATGATGTCGAAACAGAGCCAG 168  
 Db 1980 GAGGAGGAGGACAGGGCAATGGCTTCGGAACTGGAGATGAGTCGAGAGCAG 2039

Qy 169 GCGAGGATGGMATGAGTGGTGTGCGAAACAGAGCCAGAACGGTCAACAGAGCC 228  
 Db 2040 CAGAGGCTGGTGTGACTGGTGTGAGGTTGATGAGTCGAGATGAGTCGAGGCG 2099

Qy 229 CTGAGTCGTGAGGAGATGAGTGTGATGAGTCGAGATGAGTCGAGGAGACAGGGC 288  
 Db 2100 CAGCTAACCCCTCAGGAGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGT 2159

Qy 289 GCGCCCGCATTCGGCTGGCCCTGGCTCAAGAGCCCTG 330  
 Db 2160 CGAGACACCTGGTAGGGTAGAGAGAGAGGGAG 2201

RESULT 15  
 US-10-033-301-6  
 Sequence 6, Application US/100333101  
 Publication No. US20020098506A1  
 GENERAL INFORMATION:  
 APPLICANT: Borstein,David  
 APPLICANT: Desnoyers,Luc  
 APPLICANT: Ferrara,Napoleone  
 APPLICANT: Fong,Sherman  
 APPLICANT: Gao,Wei-Qiang  
 APPLICANT: Goddard,Audrey  
 APPLICANT: Gurney,Austin L.  
 APPLICANT: Pan,James  
 APPLICANT: Roy,Margaret Ann  
 APPLICANT: Stewart,Timothy A.  
 APPLICANT: Tumas,Daniel  
 APPLICANT: Utanabe,Colin K.  
 APPLICANT: Wood,William I.  
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 FILE REFERENCE: P29301C6  
 CURRENT APPLICATION NUMBER: US/10/033,301  
 CURRENT FILING DATE: 2001-12-27  
 PRIOR APPLICATION NUMBER: 60/095,325  
 PRIOR FILING DATE: 1998-08-04  
 PRIOR APPLICATION NUMBER: 60/112,851  
 PRIOR FILING DATE: 1998-12-16  
 PRIOR APPLICATION NUMBER: 60/111,145  
 PRIOR FILING DATE: 1998-12-16  
 PRIOR APPLICATION NUMBER: 60/111,511  
 PRIOR FILING DATE: 1998-12-22  
 PRIOR APPLICATION NUMBER: 60/115,558  
 PRIOR FILING DATE: 1999-01-12  
 PRIOR APPLICATION NUMBER: 60/115,565  
 PRIOR FILING DATE: 1999-01-12  
 PRIOR APPLICATION NUMBER: 60/115,733  
 PRIOR FILING DATE: 1999-01-12  
 PRIOR APPLICATION NUMBER: 60/119,341  
 PRIOR FILING DATE: 1999-02-09  
 PRIOR APPLICATION NUMBER: 60/119,537  
 PRIOR FILING DATE: 1999-02-10  
 PRIOR APPLICATION NUMBER: 60/119,965  
 PRIOR FILING DATE: 1999-02-12  
 PRIOR APPLICATION NUMBER: 60/162,506

PRIOR FILING DATE: 1999-10-29  
 PRIOR APPLICATION NUMBER: 60/170,262  
 PRIOR FILING DATE: 1999-12-09  
 PRIOR APPLICATION NUMBER: 60/187,202  
 PRIOR FILING DATE: 2000-03-03  
 PRIOR APPLICATION NUMBER: PCT/US99/12252  
 PRIOR FILING DATE: 1999-06-02  
 PRIOR APPLICATION NUMBER: PCT/US99/28634  
 PRIOR FILING DATE: 1999-12-01  
 PRIOR APPLICATION NUMBER: PCT/US99/28551  
 PRIOR FILING DATE: 1999-12-02  
 PRIOR APPLICATION NUMBER: PCT/US00/03565  
 PRIOR FILING DATE: 2000-02-11  
 PRIOR APPLICATION NUMBER: PCT/US00/04414  
 PRIOR FILING DATE: 2000-02-22  
 PRIOR APPLICATION NUMBER: PCT/US00/05841  
 PRIOR FILING DATE: 2000-03-02  
 PRIOR APPLICATION NUMBER: PCT/US00/08439  
 PRIOR FILING DATE: 2000-03-30  
 PRIOR APPLICATION NUMBER: PCT/US00/14941  
 PRIOR FILING DATE: 2000-05-30  
 PRIOR APPLICATION NUMBER: PCT/US00/15264  
 PRIOR FILING DATE: 2000-06-02  
 PRIOR APPLICATION NUMBER: PCT/US00/32678  
 NUMBER OF SEQ ID NOS: 38  
 SEQ ID NO 6  
 LENGTH: 3121  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 US-10-033-301-6

Query Match 11.1%; Score 38; DB 14; Length 3121;  
 Best Local Similarity 48.2%; Pred. No. 0.34; Gaps 0;  
 Matches 107; Conservative 0; Mismatches 115; Indels 0; Gaps 0;

Qy 109 GAGCAGAGCGGATGATGGTGTGCGATGTCATGATGTCGAAACAGAGCCAG 168  
 Db 1980 GAGGAGGAGGACAGGGCAATGGCTTCGGAACTGGAGATGAGTCGAGAGCAG 2039

Qy 169 GCGAGGATGGMATGAGTGGTGTGCGAAACAGAGCCAGAACGGTCAACAGAGCC 228  
 Db 2040 CAGAGGCTGGTGTGACTGGTGTGAGGTTGATGAGTCGAGATGAGTCGAGGCG 2099

Qy 229 CTGAGTCGTGAGGAGATGAGTGTGATGAGTCGAGATGAGTCGAGGAGACAGGGC 288  
 Db 2100 CAGCTAACCCCTCAGGAGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGT 2159

Qy 289 GCGCCCGCATTCGGCTGGCCCTGGCTCAAGAGCCCTG 330  
 Db 2160 CGAGACACCTGGTAGGGTAGAGAGAGGGAG 2201

Search completed: June 23, 2004, 12:52:52  
 Job time : 295 secs

GenCore version 5.1.6  
 Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using SW model

Run on: June 18, 2004, 17:24:31 ; Search time 23 Seconds  
 (without alignments)  
 255.885 Million cell updates/sec

Title: US-09-829-124-2

Perfect score: 584

Sequence: 1 MD\$GNPNSIGNLQTMGIG.....QG\$AGMGGG\$SYNS\$LG\$GNA 114

Scoring table: BLOSUM62

Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
 Maximum Match 100%  
 Listing First 45 summaries

Database : Issued Patents AA:\*

1: /cgn2\_6/ptodata/2/iaa/5A COMB. DEP: \*  
 2: /cgn2\_6/ptodata/2/iaa/5B COMB. DEP: \*  
 3: /cgn2\_6/ptodata/2/iaa/6A COMB. DEP: \*  
 4: /cgn2\_6/ptodata/2/iaa/6B COMB. DEP: \*  
 5: /cgn2\_6/ptodata/2/iaa/PC\$TUS COMB. DEP: \*  
 6: /cgn2\_6/ptodata/2/iaa/backtiles1.pep: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	111	19.0	344	1 US-08-891-254-7	Sequence 7, Appli
2	111	19.0	344	2 US-08-819-539-7	Sequence 7, Appli
3	111	19.0	344	2 US-09-030-2704-7	Sequence 7, Appli
4	111	19.0	344	3 US-08-984-207-7	Sequence 7, Appli
5	111	19.0	344	3 US-09-013-587-7	Sequence 7, Appli
6	111	19.0	344	4 US-09-086-118-27	Sequence 27, Appli
7	111	19.0	344	4 US-09-431-614-15	Sequence 15, Appli
8	111	19.0	344	5 PCT-US96-08819-7	Sequence 1, Appli
9	111	19.0	385	1 US-08-891-54-3	Sequence 1, Appli
10	111	19.0	385	2 US-08-819-539-3	Sequence 3, Appli
11	111	19.0	385	5 PCT-US93-06243-2	Sequence 2, Appli
12	111	19.0	385	5 PCT-US96-08819-3	Sequence 3, Appli
13	111	19.0	403	2 US-08-200-244-2	Sequence 2, Appli
14	111	19.0	403	2 US-09-030-270A-3	Sequence 3, Appli
15	111	19.0	403	3 US-08-851-376A-2	Sequence 2, Appli
16	111	19.0	403	3 US-08-984-207-3	Sequence 3, Appli
17	111	19.0	403	3 US-09-013-587-3	Sequence 3, Appli
18	111	19.0	403	4 US-09-086-118-23	Sequence 23, Appli
19	111	19.0	403	4 US-08-431-614-3	Sequence 3, Appli
20	95.5	16.4	674	4 US-08-653-648A-14	Sequence 14, Appli
21	94	16.1	20	2 US-09-030-270A-10	Sequence 10, Appli
22	94	16.1	20	3 US-08-984-207-10	Sequence 10, Appli
23	94	16.1	20	3 US-09-013-587-10	Sequence 10, Appli
24	94	16.1	20	4 US-09-086-118-30	Sequence 30, Appli
25	91.5	15.7	424	3 US-09-431-614-18	Sequence 18, Appli
26	91.5	15.7	424	4 US-09-431-614-14	Sequence 14, Appli

RESULT 1  
 US-08-891-254-7

Sequence 7, Application US/08891254  
 Patent No. 5776889  
 GENERAL INFORMATION:  
 APPLICANT: Wei, Zhong-Min  
 TITLE OF INVENTION: Hypersensitive Response  
 TITLE OF INVENTION: Induced Resistance In Plants  
 NUMBER OF SEQUENCES: 9  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Nixon, Hargrave, Devans & Doyle  
 STREET: Clinton Square, P.O. Box 1051  
 CITY: Rochester  
 STATE: New York  
 COUNTRY: U.S.A.  
 ZIP: 14603  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOSS/MS-DOS  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/891-254  
 FILING DATE: 10-JUL-1997  
 CLASSIFICATION: 514  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/475,775  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Goldman, Michael L.  
 REGISTRATION NUMBER: 30,727  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (716) 263-1304  
 TELEFAX: (716) 263-1600  
 INFORMATION FOR SEQ ID NO: 7:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 344 amino acids  
 TYPE: amino acid  
 STRANDEDNESS:  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-891-254-7

Query Match 19.0% ; Score 111; DB 1; Length 344;  
 Best Local Similarity 25.8%; Pred. No. 0.0003/10050  
 Matches 40; Conservative 17; Mismatches 54;  
 Gaps 5;

3 SIGNNNIGNLQTM-----GIGPQHEDSSQQPSAGS-----QQLDQ 42

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| 58 SAGGNTGTGNAPAKDGNANAGANDPSKNDPSKSQAPOSANTGIVDDANNQDPQALMQ 117
| 43 LLAMPIMM---LQOSQGSDANQECG--NEQPNQGQEGLSPLTQMLQIVMQLMON- 94
| 118 LLEDDVLLKALHMQOEGDNGKNGVGGANGKAGGCGGLARQLBEQILAGLGGG 177
| 95 -----QGAGGMGGSVNSVNLGEN 113
| 178 AGGGAGGGVGGAGGADGGSAGAGGANGADGDN 212

RESULT 2
US 08-819-539-7
; Sequence 7, Application US/08819539
; Patent No. 5859324
; GENERAL INFORMATION:
; APPLICANT: Wei, Zhong-Min
; APPLICANT: Beer, Steven V.
; TITLE OF INVENTION: Hypersensitive Response
; TITLE OF INVENTION: Induced Resistance In Plants
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nixon, Hargrave, Devans & Doyle
; STREET: Clinton Square, P.O. Box 1031
; CITY: Rochester
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 14603
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/819,539
; FILING DATE: 17-MAR-1997
; CLASSIFICATION: 900
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/475,775
; PILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldman, Michael L.
; REGISTRATION NUMBER: 30,727
; REFERENCE/DOCKET NUMBER: 14603/10050
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (716) 263-1304
; TELEFAX: (716) 263-1300
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 344 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein

US-08-819-539-7
Query Match 19.0%; Score 111; DB 2; Length 344;
Best Local Similarity 25.0%; Pred. No. 0.0004;
Matches 40; Conservative 17; Mismatches 54; Indels 44; Gaps 5
; -QDLOQ 42
Qy 3 SIGNFSNIGNLQTM-----G1GPOQHESSQOQPSAGB-----QDLOQ 42
; 58 SAGGNTGTGNAPAKDGNANAGANDPSKNDPSKSQAPOSANTGIVDDANNQDPQALMQ 117
| 43 LLAMPIMM---LQOSQGSDANQECG--NEQPNQGQEGLSPLTQMLQIVMQLMON- 94
| 118 LLEDDVLLKALHMQOEGDNGKNGVGGANGKAGGCGGLARQLBEQILAGLGGG 177
| 95 -----QGAGGMGGSVNSVNLGEN 113
| 178 AGGGAGGGVGGAGGADGGSAGAGGANGADGDN 212

```

NUMBER OF SEQUENCES: 10  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP  
 STREET: P.O. Box 1051, Clinton Square  
 CITY: Rochester  
 COUNTRY: U.S.A.  
 ZIP: 14603  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/013,587  
 FILING DATE:  
 CLASSIFICATION:  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 60/036,048  
 FILING DATE: 27-JAN-1997  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Goldman, Michael L.  
 REGISTRATION NUMBER: 30,727  
 REFERENCE/DOCKET NUMBER: 19603/1501  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (716) 263-1044  
 TELEFAX: (716) 263-1600  
 INFORMATION FOR SEQ ID NO: 7:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 344 amino acids  
 TYPE: amino acid  
 STRANDEDNESS:  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-09-013-587-7

Query Match Score 111; DB 3; Length 344;  
 Best Local Similarity 25.8%; Pred. No. 0.00014;  
 Matches 40; Conservative 17; Mismatches 54; Indels 44; Gaps 5;

Qy 3 SIGHNFSNIGNLQTM-----GIGPQHEDSSQPSGS-----QQ-LDQ 42  
 Db 58 SAGGNTGNTNAPAKDGNANAGANDPSKNDPSKSQAPASANTGNDQPMQLMQ 117

Qy 43 LLAMPIMM-----LQSQGSDANORG-----NEQPNQGQEGSPLTQMLMQ 94  
 Db 118 LLBDLVKLLAHLMQPQGNDKNGVGANGAKGAGQGLAELQIBQIAQLGGG 177

RESULT 6  
 US-09-086-118-27  
 Sequence 27, Application US/09086118  
 Patent No. 6583107  
 GENERAL INFORMATION:  
 APPLICANT: Laby, Ronald J.  
 ATTORNEY: Steven V.  
 APPLICANT: Wei, Zhong-Min  
 CITY: Rochester  
 STATE: New York  
 COUNTRY: U.S.A.  
 ZIP: 14603  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/086,118  
 FILING DATE:  
 CLASSIFICATION:  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 60/048,109  
 FILING DATE: 30-MAY-1997

NUMBER OF SEQUENCES: 10  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP  
 STREET: Clinton Square, P.O. Box 1051  
 CITY: Rochester  
 COUNTRY: U.S.A.  
 ZIP: 14603  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible

ATTORNEY/AGENT INFORMATION:  
 NAME: Goldman, Michael L.  
 REGISTRATION NUMBER: 30,727  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (716) 263-1304  
 TELEFAX: (716) 261-1600  
 INFORMATION FOR SEQ ID NO: 27:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 344 amino acids  
 TYPE: amino acid  
 STRANDEDNESS:  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-09-086-118-27

Query Match 19.0%; Score 111; DB 4; Length 344;  
 Best Local Similarity 25.8%; Pred. No. 0.00014; Gaps 5;  
 Matches 40; Conservative 17; Mismatches 54; Indels 44; Gaps 5;

Qy 3 SIGNNNFTNIGNQTM-----GIGPQHQEDSSQQPSAGSE-----QQLDQ 42  
 Db 58 SAGGNTENTGNAPAKDGNANAGANDPSKNDPSKSQAPQSKTGNVYDNDQPMQALMQ 117

Qy 43 LLAMPFIMMM-----LOQSQSDANQECG--NEQPONGQOEGLSPITQMLMQLIVMQLMQN- 94  
 Qy 118 LLEDLVKLLKAALHMQDGPQGKNGVGGANGAKGGGGQGLAQLQIBIQLAQGGGG 177

Qy 95 -----QGGAGAGGGGSSVNNSSUGEN 113  
 Db 178 AGAGGAGGGVGAGGAQDGSGAGGAGGAGDGGN 212

RESULT 7  
 US-09-431-614-15  
 Sequence 15, Application US/09431614  
 PATENT NO. 6624139

GENERAL INFORMATION:  
 APPLICANT: Wei, Zhong-Min  
 ATTORNEY: Schadung, Richard L.  
 TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR-INDUCED STRESS

FILE REFERENCE: 21829/41 (EBC 003)  
 CURRENT APPLICATION NUMBER: US/09/431,614  
 EARLIER FILING DATE: 1999-11-02  
 NUMBER OF SEQ ID NOS: 18  
 SEQ ID NO 15  
 LENGTH: 344  
 TYPE: PRT  
 ORGANISM: *Pseudomonas solanacearum*  
 US-09-431-614-15

Query Match 19.0%; Score 111; DB 4; Length 344;  
 Best Local Similarity 25.8%; Pred. No. 0.00014; Gaps 5;  
 Matches 40; Conservative 17; Mismatches 54; Indels 44; Gaps 5;

Qy 3 SIGNNNFTNIGNQTM-----GIGPQHQEDSSQQPSAGSE-----QQLDQ 42  
 Db 58 SAGGNTENTGNAPAKDGNANAGANDPSKNDPSKSQAPQSKTGNVYDNDQPMQALMQ 117

Qy 43 LLAMPFIMMM-----LOQSQSDANQECG--NEQPONGQOEGLSPITQMLMQLIVMQLMQN- 94  
 Db 118 LLEDLVKLLKAALHMQDGPQGKNGVGGANGAKGGGGQGLAQLQIBIQLAQGGGG 177

Qy 95 -----QGGAGAGGGVGAGGAQDGSGAGGAGGAGDGGN 212  
 Db 178 AGAGGAGGGVGAGGAQDGSGAGGAGGAGDGGN 212

RESULT 9  
 US-09-431-614-15  
 Sequence 9, Application US/08891254  
 PATENT NO. 5776839

GENERAL INFORMATION:  
 APPLICANT: Wei, Zhong-Min  
 ATTORNEY: Beer, Steven V.  
 TITLE OF INVENTION: Hypersensitive Response  
 NUMBER OF SEQUENCES: 9  
 CORRESPONDENCE ADDRESS:  
 ADDRESSE: Nixon, Hargrave, Devans & Doyle  
 STREET: Clinton Square, P.O. Box 1051  
 CITY: Rochester, New York  
 COUNTRY: U.S.A.  
 ZIP: 14603

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US96/08819  
 FILING DATE:  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/475,775  
 FILING DATE: 07-JUN-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Goldman, Michael L.  
 REGISTRATION NUMBER: 30,727  
 REFERENCE/DOCKET NUMBER: 19603/10051  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (716) 263-1304  
 TELEFAX: (716) 263-1600  
 INFORMATION FOR SEQ ID NO: 7;  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 344 amino acids  
 TYPE: amino acid  
 STRANDEDNESS:  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 PCT-US96-08819-7

Query Match 19.0%; Score 111; DB 5; Length 344;  
 Best Local Similarity 25.8%; Pred. No. 0.00014; Gaps 5;  
 Matches 40; Conservative 17; Mismatches 54; Indels 44; Gaps 5;

Qy 3 SIGNNNFTNIGNQTM-----GIGPQHQEDSSQQPSAGSE-----QQLDQ 42  
 Db 58 SAGGNTENTGNAPAKDGNANAGANDPSKNDPSKSQAPQSKTGNVYDNDQPMQALMQ 117

Qy 43 LLAMPFIMMM-----LOQSQSDANQECG--NEQPONGQOEGLSPITQMLMQLIVMQLMQN- 94  
 Qy 118 LLEDLVKLLKAALHMQDGPQGKNGVGGANGAKGGGGQGLAQLQIBIQLAQGGGG 177

Qy 95 -----QGGAGAGGGVGAGGAQDGSGAGGAGGAGDGGN 212  
 Db 178 AGAGGAGGGVGAGGAQDGSGAGGAGGAGDGGN 212

STATE: New York  
 COUNTRY: U.S.A.  
 ZIP: 14603  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/891,254  
 FILING DATE: 10-JUL-1997  
 CLASSIFICATION: 514  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/475,775  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Goldman, Michael L.  
 REGISTRATION NUMBER: 30,127  
 REFERENCE/DOCKET NUMBER: 14603/10050  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (716) 63-1304  
 TELEFAX: (716) 263-1600  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 385 amino acids  
 TYPE: amino acid  
 STRANDEDNESS:  
 TOPOLOGY: Linear  
 MOLECULE TYPE: protein  
 S-08-891-254-3

Query Match 19.0% Score 111; DB 1; Length 31.5%  
 Best Local Similarity Pred. No. 0\_00016;  
 Matches 39; Conservative 21; Mismatches 48; In  
 Y 5 GNNFSNIGNL--QTMGII-GPOQHEDDSQSPS-AGSSQQLQ  
 Y 118 GNNFTSTTSPLDQAGINSTQNDQSDTSGTSQDSDSSDPMQ  
 Y 57 GSDANQ-3CGNEQFQNGQO-  
 Y 176 QDGTQGSSSGKQPTEGQNAVTKGVTDALSGLMGNGISQI  
 Y 111 GNA 114  
 Y 236 DGSS 239

RESULT 10  
 S-08-819-539-3  
 Sequence 3, Application US/08819539  
 Patent No. 5859324  
 GENERAL INFORMATION:  
 APPLICANT: Wei, Zhong-Min  
 APPLICANT: Wei, Steven V.  
 TITLE OF INVENTION: Hypersensitive Response  
 TITLE OF INVENTION: Induced Resistance In Plants  
 NUMBER OF SEQUENCES: 9  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Nixon, Hargrave, Devans & Doyle  
 STREET: Clinton Square, P.O. Box 1051  
 CITY: Rochester  
 STATE: New York  
 COUNTRY: U.S.A.  
 ZIP: 14603  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/819,539  
 FILING DATE: 17-MAR-1997

CLASSIFICATION: 800  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: 08/475,775  
 PILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Goldman, Michael L.  
 REGISTRATION NUMBER: 30,727  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (716) 263-1304  
 TELEFAX: (716) 263-1600  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 385 amino acids  
 TYPE: amino acid  
 STRANDEDNESS:  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-819-539-3

Query	Match	Score	DB	Length
Qy	5 GRNFSANGIL--QTINGI-GPQOHEQSQQSQTSS-AGGQQQLQDILMAMTMMAMQQS--Q	19.0%	2	385;
Db	118 GNNTTISTNTSPIDQALGINSQNDDTSCTGSTDSTSDDPMQQLKMPSEIM-QSLFEGD	31.5%	21;	Matches 39; Conservatve 21; Mismatches 48; Indels 16; Gaps 7;
Qy	57 GSDANO--ECCBNEQPGNGQO ---EGLSPLTLQNLMTQVQMLQNGGAGMGGGSVNSSL	11.0	4	
Db	176 GQDGQSSSEGGKQFPEGBQNAYKKGTVTDALSLMGNGLSQIJNGCGLGGQGQNACTGSL	11.0	4	
Qy	111 GGNA 114	11.4	4	
Db	236 DGSS 239	11.4	4	

RESULT 11  
 PCT-US93-06243-2  
 Sequence 2, Application PC/US9306243  
 GENERAL INFORMATION:  
 i APPLICANT: Zhong-Min Wei, David W. Bauer, Steven V. Bauer, Sheng-Yang He, and Ron J. Laby  
 i TITLE OF INVENTION: Elicitor of the Hypersensitive Response in Plants  
 i NUMBER OF SEQUENCES: 5  
 i CORRESPONDENCE ADDRESS:  
 i ADDRESSEE: Yahwak & Associates  
 i STREET: 25 Skycop Drive  
 i CITY: Trumbull  
 i STATE: Connecticut  
 i COUNTRY: USA  
 i ZIP: 06611  
 COMPUTER READABLE FORM:  
 i MEDIUM TYPE: floppy disk  
 i COMPUTER: Macintosh  
 OPERATING SYSTEM: MS-DOS  
 SOFTWARE: Microsoft Word 4.0  
 CURRENT APPLICATION DATA:  
 i APPLICATION NUMBER: PCT/US93/06243  
 i PILING DATE: 19930630  
 i CLASSIFICATION:  
 i PRIORITY APPLICATION DATA:  
 i APPLICATION NUMBER: 907,935  
 i PILING DATE: 01-JUL-1992  
 ATTORNEY/AGENT INFORMATION:  
 i NAME: George M. Yahwak  
 i REGISTRATION NUMBER: 26,824  
 i TELECOMMUNICATION INFORMATION:  
 i TELEPHONE: (203)268-1951  
 i TELEFAX: (203)268-1951  
 i INFORMATION FOR SEQ ID NO: 2:  
 i SEQUENCE CHARACTERISTICS:

LENGTH: 385 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 PCT-US93-06243-2

Query Match Score 111; DB 5; Length 385;  
 Best Local Similarity 31.5%; Pred. No. 0.00016;  
 Matches 39; Conservative 21; Mismatches 48; Indels 16; Gaps 7;

Qy 5 GNNFSNQL---QTMGI-GPQHQEDSSQOOPS---AGSBQQDQMLAMFIMMLQOS---Q 56  
 Db 118 GNNNTSTTNSPLDQALGINSTSQNDQTSQGDTSTSDDPMQQLKMFSEIM---QSLRGD 175  
 Qy 57 GSDANO---ECNEQOQNGOO---EGSLSPLTQMLMQINQMLQNGGAGGGGSVNSL 110  
 Db 176 GQDTQGSSGGKOPTEGQNAVKGGTIDALSGLNGLGSQGQGNGAGTL 235  
 Qy 111 CGNA 114  
 Db 236 DGSS 239

RESULT 12  
 PCT-US96-08819-3  
 Sequence 3, Application PC/US9608819  
 GENERAL INFORMATION:  
 APPLICANT: Coriell Research Foundation, Inc.  
 TITLE OF INVENTION: HYPERSENSITIVE RESPONSE INDUCED  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP  
 STREET: Clinton Square, P.O. Box 1051  
 CITY: Rochester  
 STATE: New York  
 COUNTRY: U.S.A.  
 ZIP: 14603  
 COMPUTER READABLE FORM:  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US96/08819  
 FILING DATE:  
 PRIORITY DATA:  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 08/475,775  
 FILING DATE: 07-JUN-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Goldman, Michael L.  
 REGISTRATION NUMBER: 19603/10051  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (716) 263-1044  
 REFERENCE DOCKET NUMBER: 19603/10051  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (716) 263-1600  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 385 amino acids  
 TYPE: amino acid  
 STRANDEDNESS:  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 PCT-US96-08819-3

Query Match Score 111; DB 2; Length 403;  
 Best Local Similarity 31.5%; Pred. No. 0.00017;  
 Matches 39; Conservative 21; Mismatches 48; Indels 16; Gaps 7;

Qy 5 GNNFSNQL---QTMGI-GPQHQEDSSQOOPS---AGSBQQDQMLAMFIMMLQOS---Q 56  
 Db 118 GNNNTSTTNSPLDQALGINSTSQNDQTSQGDTSTSDDPMQQLKMFSEIM---QSLRGD 175  
 Qy 57 GSDANO---ECNEQOQNGOO---EGSLSPLTQMLMQINQMLQNGGAGGGGSVNSL 110  
 Db 176 GQDTQGSSGGKOPTEGQNAVKGGTIDALSGLNGLGSQGQGNGAGTL 235  
 Qy 5 GNNFSNQL---QTMGI-GPQHQEDSSQOOPS---AGSBQQDQMLAMFIMMLQOS---Q 56  
 Db 111 CGNA 114  
 Db 236 DGSS 239

RESULT 14  
 US-09-030-270A-3  
 Sequence 3, Application US/09030270A  
 Patent No. 5977060  
 GENERAL INFORMATION:  
 APPLICANT: Zitter, Thomas A.  
 STREET: P.O. Box 1051, Clinton Square  
 CITY: Rochester  
 STATE: New York  
 COUNTRY: U.S.A.  
 NUMBER OF SEQUENCES: 10  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEES: Nixon, Hargrave, Devans & Doyle LLP  
 STREET: P.O. Box 1051, Clinton Square  
 CITY: Rochester  
 STATE: New York  
 COUNTRY: U.S.A.  
 ZIP: 14603  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/030,270A  
 FILING DATE:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 60/039,226  
 FILING DATE: 28-FEB-1997  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Goldman, Michael L.  
 REGISTRATION NUMBER: 30,727  
 REFERENCE/DOCKET NUMBER: 19603/1521  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (716) 263-1304  
 TELEFAX: (716) 263-1600  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 403 amino acids  
 TYPE: amino acid  
 STRANDEDNESS:  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-09-030-270A-3

Query Match 19.0%; Score 111; DB 2; Length 403;  
 Best Local Similarity 31.5%; Pred. No. 0.00017;  
 Matches 39; Conservative 21; Mismatches 48; Indels 16; Gaps 7;

Qy 5 GNNFSNIGLU--QTMGII-GPOQHEDSSQQSPS-AGSEQDQLAMPIMMLOQS---Q 56  
 Db 118 GNNTTTNTNSPLDQALGINSQNDSDTSGTDSTSDDPMQQLKMSBIM-QSLFGD 175

Query Match 19.0%; Score 111; DB 2; Length 403;  
 Best Local Similarity 31.5%; Pred. No. 0.00017; Length 403;  
 Matches 39; Conservative 21; Mismatches 48; Indels 16; Gaps 7;

Qy 5 GNNFSNIGLU--QTMGII-GPOQHEDSSQQSPS-AGSEQDQLAMPIMMLOQS---Q 56  
 Db 118 GNNTTTNTNSPLDQALGINSQNDSDTSGTDSTSDDPMQQLKMSBIM-QSLFGD 175

Query Match 19.0%; Score 111; DB 3; Length 403;  
 Best Local Similarity 31.5%; Pred. No. 0.00017;  
 Matches 39; Conservative 21; Mismatches 48; Indels 16; Gaps 7;

Qy 57 GSDANQ-ECGNBQPQNGQQ---EGSPLITMLQVMQMNQGAGMGGGSVNSSL 110  
 Db 176 GDDGTTGSSGGKQPTEGRNAYKKGVTDALSGLNGHLSQIENGEGGCGNACTGGL 235

Query Match 19.0%; Score 111; DB 3; Length 403;  
 Best Local Similarity 31.5%; Pred. No. 0.00017;  
 Matches 39; Conservative 21; Mismatches 48; Indels 16; Gaps 7;

Qy 111 GGNA 114  
 Db 236 DGSS 239

Search completed: June 18, 2004, 17:30:26  
 Job time : 24 secs

RESULT 15  
 US-09-851-376A-2  
 Sequence 2, Application US/08851376A  
 Patent No. 6174717  
 GENERAL INFORMATION:  
 APPLICANT: Beer, Steven V.  
 APPLICANT: Wei, Zhong-Min  
 APPLICANT: Bauer, David W.  
 APPLICANT: Colline, Alan  
 APPLICANT: He, Shang-Yang

NM nucleic - nucleic search, using sw model						
run on: June 23, 2004, 09:58:37 ; Search time 63 Seconds (without alignments) 3012.591 Million cell updates/sec						
title:	US-09-829-124-1					
perfect score:	342 1 atggactctatccgaaacaa..... .gcagcctggggcaacggcc 342					
sequence:						
scoring table:	IDENTITY_NUC GapOp 10.0 , GapExt 1.0					
searched:	682709 seqs, 277375446 residues					
total number of hits satisfying chosen parameters:	1365418					
post-processing:	Minimum Match 0% Maximum Match 100% Listing first 45 summaries					
database :	Issued Patents NA:*					
1:	/cgn2_6_ptodata/2/ina/5A_COMB.seq;*					
2:	/cgn2_6_ptodata/2/ina/5B_COMB.seq;*					
3:	/cgn2_6_ptodata/2/ina/6A_COMB.seq;*					
4:	/cgn2_6_ptodata/2/ina/6B_COMB.seq;*					
5:	/cgn2_6_ptodata/2/ina/7COTS_COMB.seq;*					
6:	/cgn2_6_ptodata/2/ina/backFiles1.seq;*					
Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.						
SUMMARIES						
result No.	Score	Query Match	Length	DB ID	Description	
1	40.6	11.9	915	4	US-09-252-991A-10997	
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c	3	39.8	11.6	522	4	US-09-252-991A-11160
c	4	39.8	11.6	1557	4	US-09-252-991A-11093
c	5	38.6	11.3	933	4	US-09-252-991A-9940
c	6	38.6	11.3	1023	4	US-09-252-991A-10137
c	7	38.2	11.2	333	4	US-09-252-991A-11436
c	8	37.6	11.0	1035	1	US-09-891-254-8
c	9	37.6	11.0	1035	2	US-09-819-529-8
c	10	37.6	11.0	1035	2	US-09-030-2704-8
c	11	37.6	11.0	1035	3	US-09-984-2077-8
c	12	37.6	11.0	1035	3	US-09-013-587-8
c	13	37.6	11.0	1035	4	US-09-086-118-28
c	14	37.6	11.0	1035	4	US-09-431-514-16
c	15	37.6	11.0	1035	5	PCT-096-08819-8
c	16	37.6	11.0	1608	4	US-09-252-991A-11839
c	17	37.6	11.0	2640	4	US-09-025-991A-11547
c	18	37.6	11.0	2934	4	US-09-252-991A-11690
c	19	37.2	10.9	2338	1	US-09-425-069-1
c	20	37.2	10.9	2338	2	US-09-317-840B-1
c	21	36.4	10.6	4403765	3	US-09-013-840A-2
c	22	36.4	10.6	4411529	3	US-09-103-840A-1
c	23	36	10.5	426	4	US-09-252-991A-1156
c	24	36	10.5	657	3	US-09-998-416-1132
c	25	36	10.5	1126	3	US-09-949-155-5
c	26	36	10.5	1126	4	US-09-819-164-5
c	27	35.8	10.5	1126	4	US-09-252-991A-9195

ALIGMENTS

RESULT 1

US-09-252-991A-10997

Sequence 10997, Application US/09252991A

Patent No. 6551795

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenstein et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOURIDYLIC ACID AND AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

TITLE OF INVENTION: AERUGINOSA

FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18

CURRENT APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 10997

LENGTH: 915

TYPE: DNA

ORGANISM: *Pseudomonas aeruginosa*

US-09-252-991A-10997

Query	Match	Score	DB	Length	Best Local Similarity	Pred.	No.	Indels	Caps	0;
Qy	1.24	11.9%	40.6;	DB 4;	Length 915;					
Qy	1.36	49.3%	0.052;							
Db	1.36	49.3%	0;	Mismatches	109;					
Qy	1.84	24.0%	0.052;							
Db	1.96	24.0%	0;							
Qy	2.44	24.0%	0.052;							
Db	2.56	24.0%	0;							
Qy	3.04	24.0%	0.052;							

RESULT 2  
US-09-252-991A-11254/c  
; Sequence 11254  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenstein et al.  
; NAME OF INVENTION: NUCLEARIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS





SOFTWARE: Patent In Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/891,254  
 FILING DATE: 10-JUL-1997  
 CLASSIFICATION: 514  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/475,775  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Goldman, Michael L.  
 REGISTRATION NUMBER: 30,727  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (716) 263-1304  
 TELEX: (716) 263-1600  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1035 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)  
 US-08-891-254-8

Query Match 11.0%; Score 37.6; DB 1; Length 1035;  
 Best Local Similarity 55.3%; Pred. No. 0.36;  
 Matches 73; Conservative 0; Mismatches 59; Indels 0; Gaps 0;

Qy 211 AAGGGTCAAAGGAGGCGCTGAGTCGGTCAAGGAGATGCTGATGCGAG 270  
 Db 712 AGCTAAAGACCGAGGGCGCTCACGGCTGCTGCAAAAGCTGATGAGATCTGAAAGCGG 771

Query Match 11.0%; Score 37.6; DB 1; Length 1035;  
 Best Local Similarity 55.3%; Pred. No. 0.36;  
 Matches 73; Conservative 0; Mismatches 59; Indels 0; Gaps 0;

Qy 271 CTGATGCCAAACCAAGGGGGCGGCGATGGGGTGGTCAAGCAGCTG 330  
 Db 772 CTGGTCAAGATGATGTCAGCAAGGCGAAGGGCGCAACAGGGCGCTG 831

RESULT 9  
 US-08-819-539-8

Sequence B, Application US/08819539  
 Patent No. 5859324  
 GENERAL INFORMATION:  
 APPLICANT: Wei, Zhong Min  
 ATTORNEY/AGENT INFORMATION:  
 Beer, Steven V.  
 TITLE OF INVENTION: Hypersensitive Response  
 TITLE OF INVENTION: Induced Resistance In Plants  
 NUMBER OF SEQUENCES: 9  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Nixon, Harrgrave, Devans & Doyle  
 STREET: Clinton Square, P.O. Box 1051  
 CITY: Rochester  
 STATE: New York  
 COUNTRY: U. S. A.  
 ZIP: 14603

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/819,539  
 FILING DATE: 17-MAR-1997  
 CLASSIFICATION: 800  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/475,775  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Goldman, Michael L.  
 REGISTRATION NUMBER: 30,727

REFERENCE/DOCKET NUMBER: 14603/10050  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (716) 263-1304  
 TELEX: (716) 263-1600  
 INFORMATION FOR SEQ ID NO: 8:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1035 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)  
 US-08-819-539-8

Query Match 11.0%; Score 37.6; DB 2; Length 1035;  
 Best Local Similarity 55.3%; Pred. No. 0.36;  
 Matches 73; Conservative 0; Mismatches 59; Indels 0; Gaps 0;

Qy 211 AACGGTCAAAGGAGGCGCTGAGTCGGTCAAGGAGATGCTGATGCGAG 270  
 Db 712 AGCGAAGACCAAGGGCGCTCACGGCTGCTGCAAAAGCTGATGAGATCTGAAAGCGG 771

Query Match 11.0%; Score 37.6; DB 1; Length 1035;  
 Best Local Similarity 55.3%; Pred. No. 0.36;  
 Matches 73; Conservative 0; Mismatches 59; Indels 0; Gaps 0;

Qy 271 CTGATGCCAAACCAAGGGGGCGGCGATGGGGTGGTCAAGCAGCTG 330  
 Db 772 CTGGTCAAGATGATGTCAGCAAGGCGAAGGGCGCAACAGGGCGCTG 831

RESULT 10  
 US-09-030-270A-8

Sequence B, Application US/09030270A  
 Patent No. 5877060  
 GENERAL INFORMATION:  
 APPLICANT: Zitter, Thomas A.  
 ATTORNEY/AGENT INFORMATION:  
 WEI, Zhong Min  
 TITLE OF INVENTION: INSERT CONTROL WITH A  
 TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR  
 NUMBER OF SEQUENCES: 10  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Nixon, Harrgrave, Devans & Doyle LLP  
 STREET: P.O. Box 1051, Clinton Square  
 CITY: Rochester  
 STATE: New York  
 COUNTRY: U. S. A.  
 ZIP: 14603  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/030,270A  
 FILING DATE:  
 CLASSIFICATION: 514  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 60/019,226  
 FILING DATE: 28-FEB-1997  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Goldman, Michael L.  
 REGISTRATION NUMBER: 30,727  
 REFERENCE/DOCKET NUMBER: 14603/1521  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (716) 263-1304  
 TELEX: (716) 263-1600  
 INFORMATION FOR SEQ ID NO: 8:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1035 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)

US-09-030-270A-8

Query Match 11.0%; Score 37.6; DB 2; Length 1035;  
Best Local Similarity 55.3%; Pred. No. 0.36; Mismatches 0;  
Matches 73; Conservative 0; Indels 0; Gaps 0;

Qy 211 AACGGTCAACAGAAAGGCTGAGTCCTGACCGAAGATGCTGATGATGCG 270  
Db 712 AGCGAAGAACCGCCGGCTCACGGCTCTGCTGAAAGCTGTAACCGCG 771

RESULT 11

US-09-984-207-8

Sequence 8, Application US/08984207

Patent No. 6235574

GENERAL INFORMATION:

APPLICANT: Qiu, Dewen  
APPLICANT: Wei, Zhong-Min  
APPLICANT: Beer, Steven V.

TITLE OF INVENTION: HYPERSENSITIVE RESPONSE INDUCED  
RESISTANCE IN PLANTS BY SEED TREATMENT

NUMBER OF SEQUENCES: 10

CORRESPONDENCE ADDRESS:

ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP  
STREET: P. O. Box 1051, Clinton Square  
CITY: Rochester  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 14603

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/984,207  
FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/036,048  
FILING DATE: 27-JAN-1997

ATTORNEY/AGENT INFORMATION:

NAME: Goldman, Michael L.  
REGISTRATION NUMBER: 30,727  
REFERENCE/DOCKET NUMBER: 19603/15/01  
TELECOMMUNICATION INFORMATION:

TELEPHONE: (716) 263-1304  
TELEFAX: (716) 263-1600  
INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:

LENGTH: 1035 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)

US-09-013-387-8

Query Match 11.0%; Score 37.6; DB 3; Length 1035;  
Best Local Similarity 55.3%; Pred. No. 0.36; Mismatches 0;  
Matches 73; Conservative 0; Indels 0; Gaps 0;

Qy 211 AACGGTCAACAGAAAGGCTGAGTCCTGACCGAAGATGCTGATGCG 270  
Db 712 AGCGAAGAACCGCCGGCTCACGGCTCTGCTGAAAGCTGTAACCGCG 771

RESULT 12

US-09-013-387-8

Sequence 8, Application US/09013587

Patent No. 6277814

GENERAL INFORMATION:

APPLICANT: Qiu, Dewen  
APPLICANT: Wei, Zhong-Min  
APPLICANT: Beer, Steven V.

TITLE OF INVENTION: ENHANCEMENT OF GROWTH IN PLANTS

NUMBER OF SEQUENCES: 10

CORRESPONDENCE ADDRESS:

ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP  
STREET: Clinton Square, P.O. Box 1051  
CITY: Rochester  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 14603

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/013,587  
FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/036,048  
FILING DATE: 27-JAN-1997

ATTORNEY/AGENT INFORMATION:

NAME: Goldman, Michael L.  
REGISTRATION NUMBER: 30,727  
REFERENCE/DOCKET NUMBER: 19603/15/01  
TELECOMMUNICATION INFORMATION:

TELEPHONE: (716) 263-1304  
TELEFAX: (716) 263-1600  
INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:

LENGTH: 1035 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)

US-09-013-387-8

Query Match 11.0%; Score 37.6; DB 3; Length 1035;  
Best Local Similarity 55.3%; Pred. No. 0.36; Mismatches 0;  
Matches 73; Conservative 0; Indels 0; Gaps 0;

Qy 211 AACGGTCAACAGAAAGGCTGAGTCCTGACCGAAGATGCTGATGCG 270  
Db 712 AGCGAAGAACCGCCGGCTCACGGCTCTGCTGAAAGCTGTAACCGCG 771

RESULT 13

US-09-086-118-28

Sequence 28, Application US/09086118

Patent No. 6531107

GENERAL INFORMATION:

APPLICANT: Laby, Ronald J.

ATTORNEY: Beer, Steven V.

APPLICANT: Wei, Zhong-Min

TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR

TITLE OF INVENTION: FRAGMENTS ELICITING A HYPERSENSITIVE RESPONSE AND USES

TITLE OF INVENTION: THEREOF

NUMBER OF SEQUENCES: 30

CORRESPONDENCE ADDRESS:

ATTORNEY: Nixon, Hargrave, Devans &amp; Doyle LLP

ADDRESS: Nixon, Hargrave, Devans &amp; Doyle LLP

STREET: Clinton Square, P.O. Box 1051

CITY: Rochester

STATE: New York

COUNTRY: U.S.A.

ZIP: 14603

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30.

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09086118

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/046,109

FILING DATE: 30-MAY-1997

ATTORNEY/AGENT INFORMATION:

NAME: Goldman, Michael L.

REGISTRATION NUMBER: 30,727

REFERENCE/DOCKET NUMBER: 19603/1301.

TELECOMMUNICATION INFORMATION:

TELEPHONE: (716) 263-1304

TELEFAX: (716) 263-1600

INFORMATION FOR SEQ ID NO: 28:

SEQUENCE CHARACTERISTICS:

LENGTH: 1035 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

US-09-086-118-28

Query Match 11.0%; Score 37.6; DB 4; Length 1035;

Best Local Similarity 55.3%; Pred. No. 0.36; Indels 0; Gaps 0;

Matches 73; Conservative 0; Mismatches 59; Indels 0; Gaps 0;

Qy 211 AACGTCACAGGAGGGCTGAGTCGAGATCTGATGAGATCTGATGAG 270

Db 712 AGCGAGAGCAGGGGGCTCACGGGTCTGGGGCTGGGGCTGGGGCTGG 771

Qy 271 CTGATGAGACGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 330

Db 772 CTGGTGAGATGATGAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 831

Qy 331 GCGGCGAACGCC 342

Db 832 AAGGGGCCGGC 843

RESULT 14

US-09-431-614-16

Sequence 16, Application US/09431614

Patent No. 6624119

GENERAL INFORMATION:

APPLICANT: Wei, Zhong-Min

APPLICANT: Schading, Richard L.

TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR-INDUCED STRESS

FILE REFERENCE: 2182941 (EBC-003)

CURRENT APPLICATION NUMBER: US/09/431,614

RESULT 15

PCT-US96-08819-8

Query Match 11.0%; Score 37.6; DB 5; Length 1035;

Best Local Similarity 55.3%; Pred. No. 0.36;

Matches 73; Conservative 0; Mismatches 59; Indels 0; Gaps 0;

Qy 211 AACGTCACAGGAGGGCTGAGTCGAGATCTGATGAGATCTGATGAG 270

Db 712 AGCGAGAGCAGGGGGCTCACGGGTCTGGGGCTGGGGCTGGGGCTGG 771

Qy 271 CTGATGAGACGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 330

Db 772 CTGGTGAGATGATGAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 831

Qy 331 GCGGCGAACGCC 342

Db 832 AAGGGGCCGGC 843

	Matches	73;	Conservative	0;	Mismatches	59;	Indels	0;	Gaps	0;
Qy	211	AACGGTCAACAGAAAGGCTGAGTCCTGAGCCAGATGCCGATGCGAGATCTGAGCAG 270								
Db	712	AGGAAGCCAGGCGGCTACCGGCTGCTGCGCAAAAGCTATGAGATCTGAAACGG 771								
Qy	271	CTATGCGAACCGGGCGGATGGCGGATGGGGGGCGGGTGGTCAACCGCAGCTG 330								
Db	772	CTGGTGGAGATGATGGAGAACGGGGCTCGCGCGGCAACCGGGCAACGGGCTCG 831								
Qy	331	GGCGGCAACGCC 342								
Db	832	AAGGGTGCGGC 843								

Search completed: June 23, 2004, 11:52:06  
Job time : 68 Secs